SEARCH REQUEST ON [redacted]
REQUESTED BY: SCOTT COX - OC/A1E
JANUARY 4, 1985

DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
IR784	METHODS OF MEASURING TOBACCO FILLING POWER AND CIGARETTE FIRMNESS--LITERATURE SURVEY	O'DONOHUE, C H	10/00/65	TIS	
IR837	METHODS OF MEASURING TOBACCO FILLING POWER AND CIGARETTE FIRMNESS - ADDENDA TO LITERATURE SURVEY	O'DONOHUE, C H	04/00/66	TIS	
IR1148	ANALYTICAL SERVICES 7-67 / 4-68	PALMER, A M	04/00/68	6600	
IR1205	DEVELOPMENT OF MODIFIED SMOKING MATERIALS	MICHELS, D G	11/00/68	PROJECT 1503	
IR1408	A TALK GIVEN AT PROJECT REVIEW SYMPOSIUM DESIGNED FILLER	KERITSIS, G D	11/23/70		
IR1433	COMPRESSION EFFECTS ON CIGARETTE ROD FIRMNESS AS MEASURED BY THE INSTRON	MADURES, J W	10/23/73		
NB-5177	LABORATORY NOTEBOOK	GARNER, R	00/00/70	4012	
NB-5277	LABORATORY NOTEBOOK	GARNER, R	00/00/71	2100	
NB-5371	LABORATORY NOTEBOOK	GARNER, R	00/00/71	2100	
NB-6524	LABORATORY NOTEBOOK	HIGGINS, C T	00/00/76	0307	
NB-7279	LABORATORY NOTEBOOK	ROGERS, J; IRVING, C L	04/06/78	0307	
IR71-054	SUMMARY REPORT OF THE 1ST AND 2ND EVALUATIONS OF WATER EXPANDED RKS	MADURES, J W	07/00/71	1801	
IR71-075	DEVELOPMENT OF FILLING POWER EQUATION	SIMPSON, D L	04/26/71		
IR71-164	THE EFFECT OF CIRCUMFERENCE ON CHARACTERISTICS OF THE MARLBORO ROD.	STEWART, L L	12/13/71		
IR72-037	MEASUREMENT OF CIGARETTES FIRMNESS	O'DONOHUE, C H	03/16/72	TIS	
IR74-046	PHYSICAL AND CHEMICAL PROPERTIES OF TOBACCO	HOELZEL, C B	05/22/74		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
	(PARTS: I,II, & III)				
IR75-004	FILTER FIRMNESS STUDIES - STATUS REPORT	HOUCK, W G	11/18/74		
IR75-074	ANNUAL REPORT - CIGARETTE & TOBACCO MEASUREMENT METHODS	NIENOW, J F	05/19/75	PROJECT 1307	
IR76-013	MEASUREMENT OF RELATIVE FIRMNESS OF CIGARETTE DURING SMOKING	HASEGAWA, I	02/05/76		
IR76-029	MEASUREMENT OF RELATIVE FIRMNESS OF CIGARETTE DURING SMOKING	HASEGAWA, I	03/15/76	MICROSTRUCTURE FACILITY	
IR76-081	CIGARETTE AND TOBACCO MEASUREMENT METHODS	NIENOW, J F	05/00/76	PROJECT 0307	
IR77-085	CIGARETTE AND TOBACCO MEASUREMENT METHODS	SHERWOOD, J F	05/00/77	PROJECT 0307	
IR77-255	STUDIES OF CYLINDER VOLUME AND FILLING POWER OF TOBACCO	HARTUNG, R A	11/10/77	PROJECT 1708 1801	
IR78-001	V 3693 CONTROL: MARLBORO 85MM (D7ASM) VERSUS EXPERIMENTAL: MARLBORO 85MM 15% AIR TREATED PEHT DIET PREPARED AT A LOW TEMPERATURE (D7ASN) V 3689 CONTROL: MARLBORO 85MM (D7ASSQ) VERSUS EXPERIMENTAL: MARLBORO 85MM 15% AIR	SANDERFORD, M L	12/12/77	1804	
IR78-299	THE DETERMINATION OF INDIVIDUAL SUGARS IN TOBACCO PRODUCTS, FLAVORS AND SYRUPS BY HPLC	DAVIS, R E	12/15/78	PROJECT ANALYTICAL	
IR80-034	CIGARETTE BLEND COMPONENTS - STUDY VI	MOKARRY, W L	11/30/79	1005	
IR80-094	TOBACCO AGING STUDY (I) BASELINE STUDY FOR 1979 CROP	TENG, D M	04/10/80	1901	
IR80-112	CIGARETTE BLEND COMPONENTS STUDY VI ADDENDUM	MOKARRY, W L	04/15/80	1005	
IR80-121	CIGARETTE AND TOBACCO MEASUREMENT METHODS ANNUAL REPORT	IRVING, C L	05/05/80	0307	
IR80-146	BEHAVIORAL RESEARCH LABORATORY ANNUAL REPORT PT 1-8	RYAN, F J	06/20/80	1600	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
IR80-171	PHYSICAL AND CHEMICAL PROPERTIES OF TOBACCO ANNUAL REPORT	CRUMP, J C ; FULL, D A; HARTUNG, H A; LAROY, B C	07/01/80	1708	
IR81-119	CIGARETTE AND TOBACCO MEASUREMENT METHODS ANNUAL REPORT	IRVING, C L	05/22/81	0307	
IR81-127	BEHAVIORAL RESEARCH LABORATORY - ANNUAL REPORT - PART I	RYAN, F J;DUNN, S R	06/05/81	1600	
IR81-201	THE EFFECT OF TOBACCO TEMPERATURE ON FILLING POWER	FULL, D A; LAROY, B C; SHERWOOD, J F	08/10/81	1708 1005	
IR81-210	FILTER DEVELOPMENT ANNUAL REPORT	NICHOLS, W A	09/03/81	2105	
IR81-276	IMPROVED SEMIWORKS OPERATIONS ANNUAL REPORT	SHERWOOD, J F	11/20/81	1005	
IR82-034	RECENT SUBJECTIVE RESEARCH ON CIGARETTE FIRMNESS	RYAN, F R; JONES, J A	01/26/82	1600	
IR82-166	BEHAVIORAL RESEARCH LABORATORY ANNUAL REPORT	RYAN, F J	05/26/82	1600	
IR82-170	WATER EXPANDED TOBACCO ANNUAL REPORT	UHL, R G	06/18/82	1804	
IR82-191	MEASUREMENTS DEVELOPMENT ANNUAL REPORT 1982	IRVING, C L	07/14/82	0307	
IR82-208	CIGARETTE MODELING THEORY	HARTUNG, H A	08/16/82	1708	
IR82-259	THE BALL MILL AS A FRIABILITY TESTING METHOD	TWITTY, V Y	10/05/82		
IR83-028	CIGARETTE SMOKE DELIVERY MODELS	HARTUNG, H A; MOKARRY, W L	01/26/83	1708;0307	
IR83-116	MEASUREMENTS DEVELOPMENT ANNUAL REPORT 1983	IRVING, C L	06/14/83	0307	
IR83-145	MORPHOLOGICAL CHARACTERIZATION OF TOBACCO	RAINER, F N B; MCCLUNG, C	07/25/83	1503	
IR83-183	TOBACCO PROPERTIES APPLICATIONS ANNUAL REPORT	SHERWOOD, J F	08/24/83	0400	
IR83-184	TOBACCO STEM CONVERSION INTO FILLER OFF-SITE EVALUATIONS	BAGGETT, J D	08/02/83	1307	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
IR83-193	MODIFIED SMOKING MATERIALS ANNUAL REPORT	KERITSIS, G D	09/20/83	1503	
IR84-006	DIET ALTERNATIVES	IRVING, C L; WAGONER, S R	12/05/83	1806	
IR84-060	THE EFFECT OF DIFFERENT DIET LONGS ON SOME IMPORTANT CIGARETTE PROPERTIES	BURDE, R Z; AUMENT, P E	02/25/84	1801	
IR84-243	MODIFIED SMOKING MATERIALS ANNUAL REPORT	NEPOMUCENO, J G	08/27/84	1503	
IR84-320	0307 MEASUREMENTS DEVELOPMENT	MOKARRY, W L	12/18/84	0307	
IR79-0102	CIGARETTE AND TOBACCO MEASUREMENTS METHODS ANNUAL REPORT	SHERWOOD, J F	05/05/79	0307	
IR79-0103	STUDIES OF CYLINDER VOLUME AND FILLING POWER TOBACCO. III. GRAPHICAL APPLICATIONS OF MODELS	HARTUNG, H A	05/01/79	1708	
IR79-0104	STUDIES OF CYLINDER VOLUME AND FILLING POWER OF TOBACCO. IV. CASED TOBACCOS AND MULTICOMPONENT BLENDS	HARTUNG, H A; LAROY, B C; MOKARRY, W L; IRVING, C L	05/01/79	1708	
IR79-0114	EXPANSION PROCESSES	NEWMAN, T A	05/18/79	1804 1801	
IR79-0151	REPEATABILITY TESTING OF P-BAND MICROWAVE MOISTURE METER, RESISTANCE MOISTURE PROBE, AND STRAIN GAUGE FIRMNESS TONGUE	IRVING, C L	05/16/79	0307	
IR79-0155	PHYSICAL AND CHEMICAL PROPERTIES OF TOBACCO ANNUAL REPORT	HOELZEL, C B	07/09/79	1708	
IR79-0199	FILTER AND CIGARETTE PROCESS DEVELOPMENT SEMIANNUAL REPORT	NICHOLS, W A	09/07/79	2105	
C66-01157	AN INSTRON-COMPACIMETER TEST FOR CIGARETTE FIRMNESS	WAKEHAM, H R	05/02/66		
C67-00028	CIGARET FIRMNESS - BELVEDERE SERIES	SCHERR, J A	10/25/67		
C67-00565	CIGARET FIRMNESS	SCHERR, J A	12/08/67	6504	
C67-00568	CIGARET FIRMNESS - RKS VS PUFFED STEMS	SCHERR, J A	10/24/67	6504	
C67-00575	CIGARET FIRMNESS	SCHERR, J A	05/05/67	6504	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C67-00578	CIGARETTE ROD WEIGHT AT CONSTANT FIRMNESS (BL RKS PUFFED STEM AND LEAF)	LONG, L L	01/27/67	6504	
C67-01530	CIGARETTE FIRMNESS - RKS VERSUS PUFFED STEMS	SCHERR, J A	10/24/67		
C67-02180	EFFECT OF PLASTICIZER LEVEL ON ROD FIRMNESS AND PHENOL REMOVAL	NOLAND, F T	01/27/67		
C68-00392	MOLINS FIRMNESS TESTER	LONG, L L	11/27/68		
C68-00648	CIGARET FIRMNESS EVALUATION	SCHERR, J A	03/26/68		
C68-00707	CIGARET FIRMNESS	SCHERR, J A	01/23/68		
C68-00709	CIGARET FIRMNESS	SCHERR, J A	02/07/68		
C68-00738	CIGARET FIRMNESS EVALUATION	SHCERR, J A	10/04/68		
C68-00744	CIGARET FIRMNESS	SCHERR, J A	05/16/68		
C69-00622	FIRMNESS EVALUATION OF AMF CIGARETTE SAMPLES	SCHERR, J A	06/27/69	6504	
C69-00627	FIRMNESS OF CURRENT MARLBORO	LONG, L L	10/10/69	6504	
C69-00631	FREEZE-DRIED CIGARETTE FIRMNESS EVALUATION	SCHERR, J A	02/25/69	6504	
C70-00350	EXPERIMENTS TO TEST EFFECT OF TOBACCO DENSITY ON CIGARETTE FIRMNESS AND RTD	SIMPSON, D L	06/15/70	1801	
C70-00433	COMPACIMETRIC CIGARET FIRMNESS EVALUATION OF BRIGHT AND BURLEY TOBACCOS - PROGRESS REPORT #6	SCHERR, J A; WILEY, R M	07/21/70	1801	
C70-00882	COMPACIMETRIC CIGARET FIRMNESS	SCHERR, J A	10/21/70	1801	
C70-00899	COMPACIMETRIC FIRMNESS	SCHERR, J A	10/16/70	1801	
C70-01271	P.M. CIGARETTE FIRMNESS TESTER	OSBORNE, J W	11/03/70		
C70-02172	CIGARETTE FIRMNESS COMPACIMETER	KOCH, G P	11/16/70		
C71-01288	REQUEST FOR REPORT ON CIGARETTE FIRMNESS TESTER	STOOP, E	05/24/71		
C71-02380	CAPACIMETRIC FIRMNESS TEST	WICKHAM, J E	01/12/71		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C71-04195	DEVELOPMENT OF A CIGARET FIRMNESS TESTER BASED ON THE COMPACIMETER PRINCIPLE USED IN THE SEITA INSTRUMENT	WAKEHAM, H R	04/16/71	8505	
C72-00061	EXPANDED TOBACCO CIGARETTE FIRMNESS	LASZLO, T S	03/02/72	1801	
C72-00113	CANADA CRS - VA. TYPE CIGARET FIRMNESS.	SCHERR, J A	04/25/72	1801	
C72-00131	CIGARET FIRMNESS TESTER MANUFACTURED BY THE NORTHEASTERN TOOL COMPANY	SCHERR, J A	05/18/72	1801	
C72-00132	EFFECT OF WIDTH OF CUT ON CIGARET FIRMNESS AND RTD	SCHERR, J A	05/18/72	1801	
C72-00145	CIGARET FIRMNESS EVALUATION OF SAMPLES OF EXPANDED RKS IN VENEZUELA CIGARETS	SHAW, L V	05/25/72	1801	
C72-00172	FIRMNESS TEST ON VENEZUELAN SAMPLES	CLARKE, A B	06/02/72	1801	
C72-00354	COMPACIMETRIC CIGARET FIRMNESS	SCHERR, J A	12/11/72	1801	
C72-01058	CIGARET FIRMNESS EVALUATION OF SAMPLES OF EXPANDED BRIGHT IN MF	SCHERR, J A	02/08/72	1802	
C72-01062	SWISS RKS EVALUATION: FIRMNESS, RTD, CIRCUMFERENCE	SCHERR, J A	03/28/72	1802	
C72-01075	CIGARET FIRMNESS EVALUATION OF CANADIAN CRS-MF BLENDS	SCHERR, J A	05/15/72	1802	
C72-01077	CIGARET FIRMNESS EVALUATION OF MARLBORO MONITORS FOR COMPARISON WITH DATA GENERATED AT FTR ON THE SAME TYPE OF MONITORS	SHAW, L V	05/30/72	1802	
C72-02330	PM SMOKING MACHINE AND MONITOR CIGARETTES FIRMNESS COMPARISON	MEYER, L F	09/05/72		
C72-03113	COMPACIMETRIC CIGARET FIRMNESS	SCHERR, J A	10/27/72	0307	
C73-00057	COMPACIMETRIC CIGARET FIRMNESS - ESS BLENDS	SCHERR, J A	05/31/73	1801	
C73-00062	TOBACCO DRYING PROGRAM ADVISORY COMMITTEE MEETING MINUTES--MAY 24, 1973	MCKINNEY, D E	05/25/73	1801	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C73-00080	COMPACIMETRIC CIGARET FIRMNESS - DRYER #1 VS. DRYER #3	SCHERR, J A	06/19/73	1801	
C73-00218	COMPACIMETRIC CIGARET FIRMNESS	SCHERR, J A	01/12/73	1801	
C73-00845	TOBACCO FILLING POWER TESTING PROGRAM	WATTS, L; MADURES, J	07/30/73	0307	
C73-01244	COMPETITIVE BRAND FIRMNESS INDEX DATA	MADURES, J W	12/11/73	8205	
C73-01261	COMPACIMETRIC FIRMNESS OF MARLBORO CIGARETTES FROM VARIOUS INTERNATIONAL COMPANIES	WATTS, E L	07/27/73		
C73-01507	PROGRESS AND PLANS FOR PIPE SMOKING AND CIGARETTE FIRMNESS STUDIES	FENNER, R A	12/28/73		
C73-01781	COMPACIMETRIC CIGARET FIRMNESS: ALUMINUM SULFATE TREATED FILLER	SCHERR, J A	07/23/73	8204	
C73-01784	COMPACIMETRIC CIGARETTE FIRMNESS: CO-CURRENT VS. COUNTERCURRENT DRYING	WATTS, E L	07/13/73	8204	
C73-01786	COMPACIMETRIC CIGARETTE FIRMNESS - ADT VS. JETSTREAM DRYING	SCHERR, J A	07/05/73	8204	
C73-01788	COMPACIMETRIC CIGARETTE FIRMNESS - BARONET FROM MEXICO	SCHERR, J A	06/26/73	8204	
C73-01789	COMPACIMETRIC CIGARETTE FIRMNESS - DRYER #1 VS. DRYER #3	SCHERR, J A	06/26/73	8204	
C73-03089	COMPACIMETRIC CIGARET FIRMNESS - RKS SUBSTITUTION	SCHERR, J A	02/13/73	1404	
C73-03271	COMPACIMETRIC CIGARETS FIRMNESS	SCHERR, J A	06/26/73	8505	
C73-03321	COMPACIMETRIC FIRMNESS EVALUATION OF CIGARETTES FROM SWITZERLAND	WATTS, E L	08/30/73	8505	
C74-00012	COMPACIMETRIC FIRMNESS EVALUATION - CLOSED LOOP ADT DRIED FILLER	WATTS, E L	01/11/74	1801	
C74-00028	AIR EXPANDED, CO2 IMPREGNATED FILLER-CIGARETTE	WATTS, E L	02/12/74	1801	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
	FIRMNESS EVALUATION				
C74-00497	FIRMNESS TESTING OF MARLBORO "Y" KING SIZE CIGARETTES FROM LOUISVILLE	WATTS, E L	12/02/74		
C74-00758	COMPACIMETRIC CIGARET FIRMNESS - TOTAL UTILIZATION BLENDS	SCHERR, J A	04/29/74		
C74-00788	NEED FOR A METHOD TO MEASURE FIRMNESS AT THE CIGARET MAKER	WAKEHAM, H R	02/18/74	0307	
C74-00789	CIGARETTE FIRMNESS EVALUATION - MARLBORO-NOV 1973-JAN 1975	WATTS, E L	03/15/74	0307	
C74-01023	TECHNICAL BULLETIN: THE COMPACIMETRIC METHOD FOR DETERMING CIGARETTE FIRMNESS AND TOBACCO FILLING POWER		07/15/74		
C74-01211	COMPACIMETRIC CIGARETTE FIRMNESS - ALUMINUM SULFATE TREATED MF, BEFORE AND AFTER ACCELERATED AGING	WATTS, E L	03/28/74		
C74-01212	CIGARETTE FIRMNESS - PARLIAMENT TUB	WATTS, E L	04/02/74		
C74-01214	CIGARETTE FIRMNESS - VENEZUELAN CUTTER STUDY	WATTS, E L	04/23/74		
C74-01216	COMPACIMETRIC CIGARETTE FIRMNESS - RKS SUBSTITUTION	WATTS, E L	05/10/74		
C74-01218	COMPACIMETRIC CIGARET FIRMNESS - SHREDDED STEMS FOR ES	SCHERR, J A	05/23/74		
C74-01219	COMPACIMETRIC CIGARET FIRMNESS - ET VS. DIET IN MF	SCHERR, J A	05/22/74	58	
C74-01226	COMPACIMETRIC FIRMNESS - PMI VERSUS DUNHILL	SCHERR, J A	06/25/74		
C74-01227	COMPACIMETRIC CIGARETTE FIRMNESS - BURLEY RKS AND EBS SUBSTITUTION	SCHERR, J A	08/19/74		
C74-01236	FIRMNESS TESTING ON MARLBORO LONG SIZE CIGARETTES FROM AUSTRALIA	LOWMAN, F A	11/27/74		
C74-01237	FIRMNESS TESTING ON MARLBORO LONG SIZE CIGARETTES FROM AUSTRALIA	WATTS, E L	11/22/74		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C74-01261	COMPACIMETRIC FIRMNESS EVALUATION - MINIMUM WEIGHT CIGARETTE	WATTS, E L	03/05/74		
C74-01284	SUMMARY OF 1974 ACCOMPLISHMENTS FOR CIGARETTE ROD FIRMNESS PROJECT	NIENOW, J F	12/09/74	50	
C74-01291	CIGARETTE ROD FIRMNESS PROGRAM	MEYER, L F	01/16/74	50	
C74-01299	CIGARETTE FIRMNESS DATA: MARLBORO 80 VS. RUSSIAN 04DM R11 CIGARETTE	WATTS, E L	01/23/74		
C74-01956	FOLLOW-UP MEETING - ROD FIRMNESS	MEYER, L	02/21/74		
C74-02102	MAKING MACHINE ROD FIRMNESS	LONG, L L	02/27/74		
C74-02396	CIGARETTE ROD FIRMNESS DEVELOPMENT PROJECT - SUMMARY		11/01/74		
C74-02420	CIGARETTE ROD FIRMNESS	THOMSON, R N	12/01/74		
C74-02444	CIGARETTE ROD FIRMNESS	THOMSON, R N	11/01/74		
C74-02477	CIGARETTE ROD FIRMNESS	THOMSON, R N	10/01/74		
C74-02489	CIGARETTE ROD FIRMNESS	THOMSON, R N	09/01/74		
C74-02509	CIGARETTE ROD FIRMNESS	THOMSON, R N	08/01/74		
C74-02531	CIGARETTE ROD FIRMNESS	THOMSON, R N	06/28/74		
C74-02536	CIGARETTE ROD FIRMNESS	THOMSON, R N	06/01/74		
C74-02902	CIGARETTE FIRMNESS - P.M. INTERNATIONAL "EXPORT" CIGARETTES	WATTS, E L	03/29/74		
C74-03253	QUARTERLY REPORT - THIRD QUARTER, 1974 - CIGARETTE ROD FIRMNESS	NIENOW, J F	09/18/74	0307	
C74-03258	CIGARETTE ROD FIRMNESS PROJECT - MONTHLY REPORT	NIENOW, J F	04/26/74	0307	
C75-00172	COMPACIMETRIC CIGARETTE FIRMNESS - MARLBORO BLENDS	SCHERR, J A	04/29/75		

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R & D

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C75-00178	CIGARETTE FIRMNESS TESTING - MARLBORO CONTROL VERSUS MARLBORO Y	WATTS, E L	01/03/75		
C75-00181	MARLBORO VS. WINSTON - FIRMNESS EVALUATION	LONG, L L	01/23/75		
C75-00215	MANUFACTURING CENTER EQUAL FIRMNESS TEST	LUXMOORE, A M C	09/04/75	1801	
C75-00704	COMPACIMETRIC CIGARETTE FIRMNESS - MARLBORO 1976	SCHERR, J A	04/16/75		
C75-01549	TIP FIRMNESS OF TIMER FILTERS	GAUVIN, P N	10/31/75	2100	
C75-01587	FIRMNESS DETERMINATION ON VIRGINIA SLIMS VS. BENSON & HEDGES VS. SARATOGA 100 CIGARETTES	WATTS, E L	01/29/75	2100	
C75-01640	CORESTA FIRMNESS TEST - TEST RESULTS FROM IMPERIAL TOBACCO AND RUPERT INTERNATIONAL	WATTS, E L	08/26/75	1005	
C75-01648	COLLABORATIVE TESTS FOR MEASURING CIGARETTE FIRMNESS	RESNIK, F E	09/12/75	0307	
C75-01658	COMPACIMETRIC FIRMNESS OF AUSTRALIAN MARLBORO CIGARETTES: U.S. VERSUS AUSTRALIAN METHODS	WHITMAN, J M	09/10/75	1005	
C75-01836	FIRMNESS TESTING ON MARLBORO 80 FROM ECUADOR	WATTS, E L	03/03/75	58	
C75-01838	COMPACIMETRIC TEST FOR CIGARETTE FIRMNESS	WHITMAN, J M	10/15/75	58	
C75-01842	RIPPER SHORTS STUDY-CIGARETTE FIRMNESS	SCHERR, J A	03/27/75	58	
C75-01844	RIPPER SHORTS STUDY-CIGARETTE FIRMNESS	SCHERR, J A	03/04/75	58	
C75-03473	CIGARETTE FIRMNESS	FRIEDMAN, F R	09/17/75		
C75-03545	SUBJECTIVE RESPONSE TO VARIABILITY IN CIGARETTE FIRMNESS	LONG, L L	01/30/75	1404	
C75-03713	CIGARETTE ROD FIRMNESS		10/01/75		
C75-03730	CIGARETTE ROD FIRMNESS		07/01/75		
C75-03744	CIGARETTE ROD FIRMNESS		03/14/75		
C76-00417	CORESTA - CIGARETTE FIRMNESS MEASUREMENT METHODS STUDIES	NIENOW, J F	06/02/76		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C76-00606	REPORT OF THE FIRMNESS TASK FORCE NOVEMBER 1976	SELIGMAN, R B	12/30/76		
C76-00607	MOISTURE AND FIRMNESS CHANGES DURING SMOKING OF A CIGARETTE	ADAMS, P I ; TAYLOR, S M ; IMPERIAL TOBACCO LIMITED,	11/15/76		
C76-00608	COLLABORATIVE STUDY OF CIGARETTE HARDNESS USING THE FTR FIRMNESS TESTER 1976	PIETRUCCI, A	10/25/76		
C76-00802	CORESTA TECHNOLOGY GROUP TASK FORCE FILLING POWER COLLABORATIVE 1976 STUDY ON CIGARETTE HARDNESS WITH THE FTR FIRMNESS TESTER	RESNIK, F E	09/01/76		
C76-00819	CORESTA TECHNOLOGY GROUP TASK FORCE FILLING POWER COLLABARATIVE STUDY ON CIGARETTE HARDNESS WITH FTR FIRMNESS TESTER	DE TABAC, FABRIQUES; STOOP, E	07/20/76		
C76-01072	CAPACIMETRIC FIRMNESS TEST AND CYLINDER VOLUME FILLING POWER TEST	MCINTYRE, B M	09/03/76	TIF	
C76-01454	CORESTA - CIGARETTE FIRMNESS MEASUREMENT METHODS STUDIES	SHERWOOD, J F	11/03/76		
C76-01459	CORESTA - CIGARETTE FIRMNESS TESTING	OSMALOV, J S	10/21/76		
C76-01462	COLLABORATIVE STUDY ON THE FTR FIRMNESS TESTER AND THE RESULTS OF THE TESTS ON THE INSTRUMENT "RIWHARD"	STRYDOM, M L; RUPERT INTERNATIONAL	10/13/76		
C76-01517	ACTIVITIES DURING SEPTEMBER 1976	MERRITT, H B	10/05/76		
C76-01965	FILLING POWER STUDY ON 60 VS. 75 CV DIET	WILLIAMS, M P	04/02/76	1804	
C76-01993	SOME DISCUSSION OF RESEARCH ON MECHANICAL PROPERTIES OF TOBACCO	LAROY, I B C	02/03/76	1708	
C76-02656	MARK VIII VS. MARK IX CIGARETTE FIRMNESS	WHITMAN, J M	08/06/76	1005	
C76-02659	COMPACIMETRIC FIRMNESS OF MERIT MENTHOL AND PARLIAMENT H 100`S (TEST NO. 137)	WHITMAN, J M	10/13/76	1005	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C76-02663	COMPACIMETRIC FIRMNESS OF MARLBORO 100'S CIGARETTES WITH OFF-SHORE BURLEY (TEST #138)	WHITMAN, J M	11/30/76	1005	
C76-02671	RELATION OF FIRMNESS TO COMPRESSION TIME - 180 SECONDS VS. 30 SECONDS	SCHERR, J A	12/15/76	1005	
C76-02681	CIGARETTE FIRMNESS MARK VIII VS. MARK IX	OSMALOV, J S	06/21/76	1005	
C76-02683	COMPACIMETRIC FIRMNESS OF VIRGINIA SLIMS: MARK VIII VS. MARK IX	WHITMAN, J M	05/21/76	1005	
C76-02687	COMPACIMETRIC FIRMNESS OF BRAZILIAN IMPROVED STEM CIGARETTES	SHERWOOD, J F	04/05/76	1005	
C76-02704	THE EFFECT OF ES LEVEL ON THE FIRMNESS WHILE SMOKING OF MARLBORO CIGARETTES	IRVING, C L	11/29/76	0307	
C76-02705	MARK VIII VS. MARK IX CIGARETTE FIRMNESS	WHITMAN, J M	08/06/76		
C76-02706	FIRMNESS WHILE SMOKING (FWS) STUDY OF MERIT AND NOW	IRVING, C L	07/29/76	0307	
C76-02709	CORESTA - CIGARETTE FIRMNESS MEASUREMENT METHODS STUDIES	ONIENOW, J F	06/02/76	0301	
C76-04168	MATHEMATICAL MODELING OF COMPACIMETRIC FIRMNESS DATA	QUINN, S M	12/10/76		
C76-04263	CIGARETTE ROD FIRMNESS		07/00/76		
C76-04270	CIGARETTE ROD FIRMNESS		09/00/76		
C76-04281	CIGARETTE ROD FIRMNESS		12/00/76		
C76-04299	CIGARETTE ROD FIRMNESS		04/01/76		
C77-00069	BRIGHT STEM FLAVOR		09/00/77	1801	
C77-00073	CIGARETTE ROD FIRMNESS		09/19/77	1801	
C77-00476	FIRMNESS EVALUATION OF TIPPED VERSUS THRESHED BURLEY	SCHERR, J A	08/30/77	1005	
C77-00478	AUTOMATED FIRMNESS WHILE SMOKING MACHINE	IRVING, C L	07/22/77	0307	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C77-00480	FIRMNESS EVALUATION OF TIPPED VERSUS THRESHED BURLEY	SCHERR, J A	01/11/77	1005	
C77-00492	COMPACIMETRIC FIRMNESS - MARK IX VS. MARK VIII TEST NO. 157	SCHERR, J A	05/05/77	1005	
C77-00494	THE EFFECT OF AGING ON FIRMNESS: TEST NUMBER 158	LEMAIRE, R P	10/25/77	1005	
C77-00502	COMPACIMETRIC FIRMNESS OF LOUISVILLE PRODUCTION CIGARETTES: 1977 VS. 1976 (TEST #150)	WHITMAN, J M	02/22/77	1005	
C77-01098	NOVEMBER FIRMNESS MONITORING DATA	TINDALL, J E	11/22/77	P&E	
C77-01100	FIRMNESS OF COMPETITIVE CIGARETTES	TINDALL, J E	11/10/77	P&E	
C77-01149	VARIATION IN COMPACIMETRIC FIRMNESS TESTS	TINDALL, J E	05/26/77	P&E	
C77-02772	ACCOMPLISHMENTS FOR 1977	MERRITT, H B	12/13/77		
C77-03193	CIGARETTE FIRMNESS WITH FILLER ADHERED TO WRAPPER	GEISZLER, W A	02/28/77	4009	
C77-03501	MEASURING INSTRUMENTS FOR CIGARETTE FIRMNESS	OKABE, S	06/14/77		
C77-03508	MODEL TARGETED TO 5.5 TAR DELIVERY	HARTUNG, H A	08/08/77	1708	
C77-03812	A SUGGESTED METHOD FOR ANALYSIS OF ON-THE-FLY FIRMNESS DATA FROM A SPLIT COMPRESSION TONGUE.	FULL, D A	05/26/77	1708	
C77-04206	STATUS OF CIGARETTE FIRMNESS WHILE SMOKING	STOOP, E	06/30/77		
C77-04209	FIRMNESS DURING SMOKING - CORESTA PAPER FROM IMPERIAL TOBACCO LTD.	OSMALOV, J S	02/21/77		
C77-04210	STATUS OF CIGARETTE FIRMNESS WHILE SMOKING PROJECT	IRVING, C L	04/25/77		
C77-04211	CIGARETTE FIRMNESS DURING SMOKING	STOOP, E	03/18/77		
C77-04246	REPORT OF TASK FORCE ACTIVITY - QUESTIONNAIRE CONCERNING THE FIRMNESS TESTER - QUESTIONNAIRE REFERRING TO FIRMNESS DURING SMOKING	STOOP, E	03/17/77		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C77-04353	COAL STRENGTH PROGRAM	WATTS, E L	05/03/77		
C77-04371	FIRMNESS WHILE SMOKING TEST	SELIGMAN, R B	10/06/77		
C77-05002	SIMULATED FIRMNESS WHILE SMOKING	IRVING, C L	09/28/77	0307	
C77-05782	A DEVICE TO DETERMINE THE FIRMNESS OF CIGARETTES	OSMALOV, J S	01/28/77		
C77-05822	AUTOMATED FIRMNESS WHILE SMOKING MACHINE	OSMALOV,J S	07/28/77		
C77-05843	FIRMNESS EVALUATION OF TIPPED VERSUS THRESHED BURLEY	SCHERR, J A	08/30/77		
C77-05933	CIGARETTE ROD FIRMNESS		06/00/77		
C77-05976	CIGARETTE ROD FIRMNESS		03/00/77		
C77-05997	CIGARETTE ROD FIRMNESS		03/00/77		
C78-00251	TASK FORCE ON THE ROLE OF WATER IN FILLING POWER MEETING 3-9-78	FARONE, W A	03/20/78	1708	
C78-00276	CYLINDER VOLUME FIRMNESS PROJECT	HOELZEL, C B	07/25/78	1708	
C78-00277	QUESTIONS FOR FIRMNESS PROJECT	LUXMOORE, A M C	06/20/78	1708	
C78-00278	ANSWERS TO QUESTIONS FOR FIRMNESS PROJECT	HARTUNG, H A	07/14/78	1708	
C78-00296	COMPUTER DATA FILES FOR OUR STUDY OF CV, OV AND FIRMNESS	HARTUNG, H A	01/27/78	1708	
C78-00327	EVALUATION OF 5 X20 CYLINDER REORDERED ET; VP 3715 AND VP 3717	UTSCH, F V	03/31/78	1801	
C78-00372	M/C DIET PROCESS MEETING HELD ON OCTOBER 12 1978	NEWMAN, T A	10/16/78	1804	
C78-03153	COMPACIMETRIC FIRMNESS MONITORING	TINDALL, J E	09/12/78	P&E	
C78-03187	EFFECTS OF OPERATORS AND COMPACIMETERS ON FIRMNESS	TINDALL, J E	01/03/78	P&E	
C78-04203	EQUIPMENT FOR MEASURING CIGARETTE FIRMNESS AND FILLING CAPACITY WAS DAMAGED	OKABE, S;SANJO SHOJI COMPANY,	07/01/78		

2057922638

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
		LTD			
C78-05240	ANALYSIS OF COMPACIMETRIC FIRMNESS DATA USING PUBLIC LIBRARY .77 PROGRAMS	SHERWOOD, J F	09/18/78	0307	
C78-05241	FIRMNESS PROJECT: TEST II	MOKARRY, W L	08/02/78	0307	
C78-05242	COMPACIMETRIC FIRMNESS; OPERATOR EFFECTS	IRVING, C L	11/14/78	0307	
C78-05243	THE EFFECT OF SEAM ORIENTATION ON COMPACIMETRIC FIRMNESS	ROGERS, J K	05/10/78	0307	
C78-05244	THE EFFECT OF ET LEVEL ON THE FIRMNESS WHILE SMOKING CHARACTERISTICS OF MARLBORO TYPE CIGARETTES	IRVING, C L	04/26/78	0307	
C78-05819	FIRMNESS OF PROJECT LAM CIGARETTES	LEMAIRE, R P	12/05/78		
C78-06024	FIRMNESS COMPARISON OF 1972 AND 1978 MARLBORO BLENDS	SHERWOOD, J F	07/20/78		
C78-06106	FIRMNESS COMPARISON OF 1972 AND 1978 MARLBORO BLENDS	SHERWOOD, J F	07/27/78		
C78-06174	CIGARETTE AND TOBACCO MEASUREMENT METHODS		07/01/78		
C78-06188	CIGARETTE AND TOBACCO MEASUREMENT METHODS		04/07/78		
C79-00930	EFFECTS OF CIRCUMFERENCE AND FILTERS ON CIGARETTE FIRMNESS	OSMALOV, J S	02/12/79		
C79-01052	COMPACIMETRIC FIRMNESS TESTING	IRVING, C L	02/21/79	0307	
C79-01258	FIRMNESS OF MARLBORO "B" CIGARETTES	CARR, W I	03/05/79	5001	
C79-01491	INSTRUMENTS FOR FIRMNESS AND FILLING CAPACITY	OSMALOV, J S	03/12/79		
C79-01798	WRF CALCULATIONS	MOKARRY, W L	04/03/79	0307	
C79-02730	MANUSCRIPT ON CIGARETTE FIRMNESS WHILE SMOKING	IRVING, C L	05/21/79	0307	
C79-02977	FIRMNESS BASELINE STUDY	SHERWOOD, J F	05/30/79	0307	
C79-03136	TESTING ET BLEND CHANGES	SHERWOOD, J F	06/08/79	0307	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C79-03280	MARLBORO AND WINSTON FIRMNESS WHILE SMOKING	IRVING, C L	06/18/79	0307	
C79-03282	QUARTERLY REPORT SECOND QUARTER 1979 CIGARETTE AND TOBACCO MEASUREMENT METHODS	SHERWOOD, J F	06/18/79	0307	
C79-04432	FIRMNESS DURING SMOKING INSTRUMENT	BODER, J B	05/30/79		
C79-04800	CIGARETTE FIRMNESS FILLING CAPACITY	OSMALOV, J S	09/05/79	0307	
C79-04863	COMPACIMETRIC FIRMNESS OF LARK CIGARETTES	LEMAIRE, R P	09/10/79	1005	
C79-04965	TONGUE POSITION EXPERIMENT	MOKARRY, W L	09/14/79	0307	
C79-05077	VARIATION IN FIRMNESS OF PRODUCTION CIGARETTES	TINDALL, J E	08/30/79		
C79-06531	EFFECT OF ET CYLINDER VOLUME ON CIGARETTE WEIGHT NEEDED TO MAINTAIN EQUAL FIRMNESS	UTSCH, F V	12/28/79	1801	
C79-07072	R&D MARK 9 VERSUS MARK 8 MAKERS (T-172)	LEMAIRE, R P	06/12/79		
C79-07075	TONGUE POSITION EXPERIMENT	MOKARRY, W L	08/14/79		
C79-07077	COMPACIMETRIC FIRMNESS OF LARK CIGARETTES	LEMAIRE, R P	08/10/79		
C79-07318	EXAMINED OUR INSTRUMENTS FOR CIGARETTE FIRMNESS AND FILLING	OKABE, S	08/25/79		
C79-07319	INSTRUMENT FOR CIGARETTE FIRMNESS AND FILLING CAPACITY	OKABE, S	11/20/79		
C79-07320	INSTRUMENTS FOR CIGARETTE FIRMNESS AND FILLING CAPACITY	SANJO SHOJI CO.	03/20/79		
C80-00211	FIRMNESS TESTING OF VIRGINIA SLIMS LIGHTS	WAGONER, S R	01/10/80		
C80-00629	EVALUATION OF RL DENITRATION ALTERNATIVES	MULLER, S G	01/29/80	1307	
C80-00937	FIRMNESS CONTROL IN CIGARETTE MAKER (PM761)	LASZLO, T S; NIENOW, J F; SHERWOOD, J F; IRVING, C L	02/07/80		
C80-01297	CO REDUCTION FIRMNESS, FILLING POWER	DAVIS, G D	02/28/80	120	
C80-01393	FIRMNESS MONITORING, SEPTEMBER 1978 TO	TINDALL, J E	03/05/80	P&E	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
	DECEMBER 1979				
C80-01467	FIRMNESS TESTING OF CIGARETTES (COMPARISON OF LOCATIONS)	WAGONER, S R	03/10/80	1005	
C80-01663	MOISTURE CONTROL AT A CIGARETTE MAKER (PM 761)	OSMALOV, J S	03/19/80	PATENT	
C80-02814	PROTOS FIRMNESS EVALUATION (4A4 AND 4D3)	WAGONER, S R	06/25/80		
C80-02830	DEVICES FOR DETERMINING PRODUCT FIRMNESS IN NONTOBACCO INDUSTRIES	DEBARDELEBEN, M Z	05/30/80	TIS	
C80-02831	DEVICES FOR DETERMINING PRODUCT FIRMNESS IN NONTOBACCO INDUSTRIES	WALLER, L K	03/28/80	0008	
C80-03423	MANUFACTURING FIRMNESS EXPERIMENTS	TINDALL, J E	06/24/80	P&E	
C80-05181	SUMMARY OF R&D MEASUREMENTS FOR TIPPED VS. THRESHED PROGRAM	LOWITZ, D A	08/14/80		
C80-05185	PROGRAM OUTLINE-LARGE VS SMALL SHRED (BASED ON SUGGESTIONS BY AND DISCUSSION WITH C BATES AND S COX)	LOWITZ, D A; TINDALL, J E	08/25/80		
C80-05634	MEETING ON MEASUREMENTS DEVELOPMENT FOR TOBACCO UTILIZATION PROGRAM OCTOBER 7, 1980-MINUTES AND COMMENTS	FARONE, W A	10/10/80		
C80-06010	CAMBRIDGE FIRMNESS	WAGONER, S R	11/04/80	1005	
C80-06159	FIRMNESS TRANSDUCER	IRVING, C D	11/12/80		
C80-07643	PERFORMANCE OF CIGARETTES CONTAINING MODIFIED ET	LUXMOORE, A M C	03/24/80		
C80-07726	OUR FILE 582-931 PM 779 TOBACCO ROD FIRMNESS MONITORING AND CONTROL EMPLOYING A VARIABLE IMPEDANCE TRANSDUCER	BRANDT, G J	03/06/80		
C80-08964	CUTS/INCH OF FILLER VS. CIGARETTE FIRMNESS AND COAL STRENGTH	TURANO, L R	03/12/80		
C81-00435	LARK MILDS K S FILTER FIRMNESS STUDY (CONT)	STONE, S C	02/10/81	4010	
C81-00544	LARK MILDS K S FILTER FIRMNESS STUDY	STONE, S C	01/22/81	4010	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C81-00677	SCREENED STRIP EVALUATION	WAGONER, S R	01/28/81	1005	
C81-00881	COMPACIMETRIC FIRMNESS DATA FROM MAKER EVALUATION	WAGONER, S R	02/05/81	1005	
C81-01071	FIRMNESS TRANSDUCER MOUNTING BLOCK	IRVING, C L	02/16/81	0307	
C81-01656	COMPACIMETRIC FIRMNESS TESTING IN MAKER EVALUATION	WAGONER, S R	03/03/81		
C81-01942	SMOKING FIRMNESS VERSUS DISC TYPE	HOUCK, M G; DELOACH, S L	03/17/81	2100	
C81-02083	THE EFFECT OF ET ON SMOKING FIRMNESS	OSMALOV, J S	03/23/81		
C81-02889	THE EFFECT OF FILLER TEMPERATURE AT MAKING ON CIGARETTE FIRMNESS	SHERWOOD, J F	05/06/81		
C81-03035	FIRMNESS RESULTS ADJUSTED TO TARGET WEIGHT AND OV	HARTUNG, H A	05/13/81		
C81-03617	FIRMNESS AND COAL STRENGTH AS A FUNCTION OF ECRETEUR DISC TYPE	NEPOMUCENO, J G	06/16/81	4010	
C81-03667	THE EFFECT OF FILLER TEMPERATURE AT MAKING ON CIGARETTE FIRMNESS	WAGONER, S R	06/17/81		
C81-04032	CAMBRIDGE 100'S FIRMNESS	SHERWOOD, J F	07/10/81		
C81-04937	MODEL PROJECTIONS OF FIRMNESS VS DENSITY	MOKARRY, W L	06/18/81		
C81-05111	MARLBORO LIGHTS FILTER FIRMNESS	STONE, S C	07/28/81	4010	
C81-05169	EFFECT OF THE REORDERED OV OF EXPANDED TOBACCO ON CV AND FIRMNESS	FOX, D R	07/30/81	1801	
C81-05224	EVALUATION OF BORGWALDT FIRMNESS TESTER	IRVING, C L	07/31/81	0307	
C81-05287	[redacted] TOBACCO FILLER POWER. PART I. MEASUREMENT AND CONTROL	MENDELL, S	07/29/81	TIS	
C81-05289	[redacted]	MENDELL, S	07/31/81	TIS 1801	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
	TOBACCO FILLING POWER. PART 3: METHODS USED TO INC[illegible] FILLING POWER AND THEIR RELATIONSHIP TO CIGARETTE FIRMNESS				
C81-05290	LITERATURE SURVEY ON CIGARETTE FIRMNESS AND TOBACCO FILLING POWER. PART 2: INFLUENCE OF PLANT VARIETY AND AGRICULTURAL PRACTICES	MENDELL, S	07/30/81	TIS	
C81-05328	FIRMNESS OF TROPICAL BLEND MARLBORO LS CIGARETTES	SHERWOOD, J F	09/03/81		
C81-05493	THIRD QUARTER REPORT, 1981, CIGARETTE AND TOBACCO MEASUREMENT METHODS	IRVING, C L; SANDERSON, W G	09/15/81		
C81-05532	LOUISVILLE CUTTING TEST	SKIDMORE, T L	09/16/81		
C81-05655	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	09/21/81		
C81-05695	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	09/23/81		
C81-05816	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	09/29/81		
C81-06222	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	10/07/81		
C81-06409	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	10/14/81		
C81-06428	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	10/14/81		
C81-06605	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	10/22/81		
C81-06813	PROJECTED TOBACCO WEIGHT AND OV DATA	MOKARRY, W L	11/09/81		
C81-06889	OBSERVED DIFFERENCES IN FIRMNESS VALUES OBTAINED ON THE DIGITAL COMPACIMETER	IRVING, C L	11/12/81		
C81-06936	PM 761 FIRMNESS CONTROL IN CIGARETTE MAKER	INDIANA, L P	11/16/81	PATENT	
C81-06950	SHRED SIZE DISTRIBUTION FACTORY TEST	CALLAHAM, T W T; WAGONER, S R	11/16/81		
C81-07285	VIDEOTAPE OF FOCUS GROUP SESSIONS ON CIGARETTE FIRMNESS	DUNN, S R	07/31/81	1600	
C81-07320	FIRMNESS SPECIFICATION PROGRAM	SHERWOOD, J F	11/17/81		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C81-07494	FIRMNESS CORRECTION FACTORS	MOKARRY, W L	11/30/81		
C81-07526	FIRMNESS SPECIFICATION PROGRAM	SKIDMORE, T L	12/01/81		
C81-07534	FIRMNESS CONTROL IN CIGARETTE MAKER (PM 761)	LASZLO, T S	12/01/81	PATENT	
C81-07632	LITERATURE SURVEY ON CIGARETTE FIRMNESS AND TOBACCO FILLING POWER. PART 1: MEASUREMENT AND CONTROL	MENDELL, S	07/29/81	TIS	
C81-07636	LITERATURE SURVEY ON CIGARETTE FIRMNESS AND TOBACCO FILLING POWER PART 2: INFLUENCE OF PLANT VARIETY AND AGRICULTURAL PRACTICES	MENDELL, S	07/30/81	TIS	
C81-07637	[redacted]	MENDELL, S	07/31/81	TIS	
C81-07799	PLANS AND OBJECTIVES FOR 1982--BIOCHEMICAL RESEARCH DIVISION	CHARLES, J C	11/04/81	130	***
C81-07903	EFFECT OF MAKING MOISTURE ON FIRMNESS	MOKARRY, W L	12/08/81		
C81-08172	FIRMNESS SPECIFICATION PROGRAM	SKIDMORE, T L	12/23/81		
C81-08197	FIRMNESS SPECIFICATION PROGRAM	SKIDMORE, T L	12/29/81		
C81-08283	BORGWALDT CIGARETTE FIRMNESS TESTER EVALUATION	MOKARRY, W L	10/27/81		
C81-08297	FTR COMPACIMETERS AND THE FIRMNESS SPECIFICATION PROGRAM	IRVING, C D	10/22/81		
C81-09032	FIRMNESS; JULY MANUFACTURING MEETING		07/15/81		
C81-09391	CIGARETTE FIRMNESS STUDIES CONDUCTED BY F. RYAN, S. DUNN, AND J. JONES	RYAN, F	04/27/81		
C82-00332	OV HYSTERESIS EFFECT ON COMPACIMETRIC FIRMNESS	MOKARRY, W L	01/20/82		
C82-00344	DYNAMIC CIRCUMFERENCE/FIRMNESS TRANSDUCER TEST	MOKARRY, W L	01/21/82		
C82-00914	FIRMNESS AND LOOSENESS EFFECTS OF BLEND CHANGES	LAROY, B C	02/02/82	1708	
C82-01018	FIRMNESS SPECIFICATION PROGRAM	SKIDMORE, T L	02/15/82		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C82-01210	EFFECT OF RL-TC ON MODEL PROJECTIONS	MOKARRY, W L	03/03/82		
C82-01996	R&D 7 (PM-779) MEANS TO MEASURE TOBACCO ROD FIRMNESS	HUTCHESON, S A	03/29/82	PATENT	
C82-03157	MODEL PREDICTED FIRMNESS	SANDERSON, W G; MOKARRY, W L	05/11/82	TP&F	
C82-03600	PM 779 - MEANS TO MEASURE TOBACCO ROD FIRMNESS	OSMALOV, J S; IRVING, C L	03/31/82		
C82-04095	MODEL PREDICTED FIRMNESS ET CV VS FIRMNESS	SANDERSON, W G; MOKARRY, W L	06/22/82		
C82-04382	PM-779 (R&D 7)--MEANS TO MEASURE TOBACCO ROD FIRMNESS	HUTCHESON, S A	07/13/82		
C82-05661	FILTER CAVITY FIRMNESS ON LARK TYPE CIGARETTES	SANDERSON, W	08/18/82		
C82-06036	FIRMNESS TESTING FOR MARK 10 EVALUATION	MULLINS, R S	09/24/82	0400	
C82-06173	CIGARETTE FIRMNESS AND CYLINDER VOLUME ANALYSES	WICKHAM, J E	09/29/82	8101	
C82-06356	FIRMNESS TESTING FOR MARK 10 EVALUATION	MULLINS, R S	10/07/82	0400	
C82-06623	MODELS OF FIRMNESS AND COAL STRENGTH	HARTUNG, H A	10/21/82	1708	
C82-07215	ECRETEUR RETURN AND CIGARETTE FIRMNESS	MULLINS, R S	11/12/82	0400	
C82-07453	DYNAMIC FIRMNESS TRANSDUCER TEST AT THE MANUFACTURING CENTER	IRVING, C L	11/11/82		
C82-07946	COMPACIMETRIC FIRMNESS - THE EFFECT OF FILTERS	IRVING, C L	12/20/82	0307	
C83-00387	COMPACIMETRIC FIRMNESS REPORT	MAIT, B S	02/02/83	8101	
C83-01045	COMPACIMETRIC FIRMNESS - BRAZIL TEST #95	MAIT, B S	03/07/83	8505	
C83-01382	COMPACIMETRIC FIRMNESS REPORT - FIRST QUARTER, 1983	MAIT, B S	03/15/83	8101	
C83-01383	COMPACIMETRIC FIRMNESS - BRAZIL TEST #95	MAIT, B S	03/15/83	8505	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C83-02101	COMPACIMETRIC FIRMNESS - BRAZIL TEST #97	LIGHTNER, J G	05/05/83	8505	
C83-02488	COMPACIMETRIC FIRMNESS OF PHILIP MORRIS BRANDS	MAIT, B S	05/23/83	8101	
C83-02938	COMPACIMETRIC FIRMNESS OF PHILLIP MORRIS BRANDS	MAIT, B S	05/16/83		
C83-02942	COMPACIMETRIC FIRMNESS REPORT - SECOND QUARTER, 1983	MAIT, B S	05/20/83		
C83-04665	COMPACIMETRIC FIRMNESS - BRAZIL TEST #102	LIGHTNER, J G	08/31/83	8505	
C83-04778	COMPACIMETRIC FIRMNESS REPORT - THIRD QUARTER, 1983	MAIT, B S	09/21/83	8101	
C83-05536	COMPETITIVE BRAND SIEVE, CYLINDER VOLUME, AND FIRMNESS QUARTERLY REPORT USER SURVEY	WERKMEISTER, P F	08/03/83		
C83-05573	COAL STRENGTH AND COMPACIMETRIC FIRMNESS DATA OF LORILLARD BRANDS	MAIT, B S	11/04/83	8101	
C83-05646	COMPACIMETRIC FIRMNESS - BRAZIL CIGARETTES	LIGHTNER, J G	11/04/83	8505	
C83-05995	CAPACIMETRIC FIRMNESS VALUES OBTAINED FOR TWENTY-FOUR BRANDS OF BRAZILIAN CIGARETTES	IKEDA, R M	11/09/83		
C84-00740	COMPACIMETRIC FIRMNESS REPORT - FOURTH QUARTER, 1983	MAIT, B S	01/12/84		
C84-01870	COMPACIMETRIC FIRMNESS REPORT - FIRST QUARTER, 1984	MAIT, B S	04/13/84	8101	
C84-02241	QUALITY ASSURANCE SMOKING/FIRMNESS ANALYSIS	WESTON, T C; BELL, V L; BRIDGES, G C	02/00/84		
C84-03835	COMPACIMETRIC FIRMNESS REPORT - SECOND QUARTER, 1984	MAIT, B S	08/08/84	8101	
C84-04946	COMPACIMETRIC FIRMNESS REPORT	MAIT, B S	10/18/84	8101	

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SEARCH REQUEST ON [redacted]
REQUESTED BY: SCOTT COX - OC/A1E
JANUARY 4, 1985

DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
IR81-236	ANNUAL REPORT OF THE MICROSTRUCTURE FACILITY	MCCRAY, L R	10/21/81	MICROSTRUCTURE	
IR81-276	IMPROVED SEMIWORKS OPERATIONS ANNUAL REPORT	SHERWOOD, J F	11/20/81	1005	
IR83-052	RECONSTITUTED TOBACCO DEVELOPMENT	GELLATLY, G	03/10/83	1307	
IR83-157	AN EVALUATION OF THERMAL TREATMENT USING THE CIRCULATING AIR REACTOR	ABEL, M J	06/27/83		
IR83-183	TOBACCO PROPERTIES APPLICATIONS ANNUAL REPORT	SHERWOOD, J F	08/24/83	0400	
IR84-246	TOBACCO PROPERTIES APPLICATIONS - ANNUAL REPORT	SHERWOOD, J F	08/27/84	0400	
C65-00183	BL STRIP SIZE STUDY	BUDNE, T A	06/24/65		
C78-03882	PROGRAM SUGGESTIONS RESULTING FROM THE SHRED LENGTH SEMINAR	MERRITT, H B	03/06/78		
C80-07187	TOBACCO PROPERTIES AS A FUNCTION OF ITS TEMPERATURE AND WATER CONTENT DURING CUTTING	LOWITZ, D A	12/15/80		
C80-08813	[redacted]	TURANO, L R	05/28/80		
C81-03552	STANDARDIZED STRIP SIZE MEASURING SYSTEM	LOWITZ, D A	06/12/81		
C81-04410	[redacted]	WAGONER, S R	05/14/81		
C81-05640	THIRD QUARTER SUMMARY - TOBACCO MATERIALS DIVISION	BURNS, K S	09/21/81	150	
C81-06088	[redacted]	WAGONER, S R	08/18/81		
C81-08919	MINUTES OF EXECUTIVE STEERING COMMITTEE MEETING JANUARY 28, 1981	TURANO, L R	01/30/81		
C82-07968	ESTIMATED STRIP SIZE FOR NEW P.M. CARDWELL SCREENS	LOWITZ, D A	06/29/82		

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SEARCH REQUEST ON [redacted]
REQUESTED BY: SCOTT COX - OC/A1E
JANUARY 4, 1985

DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
IR10	CIGARETTE SMOKE PRECURSORS I. THE CONTRIBUTION OF THE HUMECTANT GLYCEROL TO THE ACROLEIN CONTENT OF CIGARETTE SMOKE	GAGER, F L; BRUNOT, C E; CARPENTER, R D; RESNIK, F E; VARSEL, C J	04/00/61		
IR52	METHOD FOR EVALUATING THE EFFECTS OF HUMECTANTS AND FUNGISTATS ON MOLD GROWTH IN SIMULATED BL SHEETS	VAN NOSTRAN, F E; HIND, J D; SMITH, M S	01/00/63	1300	
IR178	THE EFFECT OF VARIOUS HUMECTANTS /CASED ON CIGARETTE FILLER/ ON THE AMOUNT OF SMOKE SOLIDS DELIVERED BY CIGARETTES	HOLMES, J C	09/00/58		
IR179	A MATERIAL BALANCE STUDY OF A BURNING CIGARETTE. PART 2 - A STUDY OF THE DISTRIBUTION OF THE HUMECTANT DURING THE SMOKING PROCESS USING C-14 GLYCEROL AS A TRACER	OAKLEY, E T; HOLMES, J C; BENNETT, M E	10/00/60		
NB-0390A	LABORATORY NOTEBOOK	MARTIN, W J	00/00/58	0301	
NB-451	LABORATORY NOTEBOOK	STRICKLAND, A; MURPILL, D P	00/00/58	0101	
IR958	FORMULATED SMOKING MATERIALS; DESIGNED CIGARETTE FORMULATION	HIND, J D	02/18/66	1502	
IR1311	POLYCO 2622-ETHYLENE GLYCOL MP, ORDER OF MAGNITUDE ECONOMICS	DANIEL, H G	06/00/70		
IR1366	THE SIMULTANEOUS DETERMINATION OF PROPYLENE GLYCOL AND GLYCERINE IN CIGARETTE FILLER AND SHEET TOBACCO	RANDOLPH, H R	01/00/70	6600	
NB-3696	LABORATORY NOTEBOOK	HAGEMANN, F W	00/00/67	6504	
NB-4720	LABORATORY NOTEBOOK	CACCIOTTI, J J	00/00/69	8906	
NB-5109	LABORATORY NOTEBOOK	SAUNDERS, L E	00/00/70	2305	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
NB-5429	LABORATORY NOTEBOOK	CURRY, Z F	00/00/71	8505	
NB-5438	LABORATORY NOTEBOOK	WRIGHT, J	00/00/71	ANALYTICAL	
NB-5480	LABORATORY NOTEBOOK	SWALLOW, K C	00/00/71	2305	
NB-6006	LABORATORY NOTEBOOK	BUCKNER, M	00/00/72	1802	
NB-6324	LABORATORY NOTEBOOK	NEWMAN, T A	00/00/73	1801	
NB-6329	LABORATORY NOTEBOOK	BUCKNER, M	00/00/73	8101 8205 8501 8103 2100	
NB-6701	LABORATORY NOTEBOOK	SIWIEC, D; HEARN, J R	02/10/75	1503	
NB-7869	LABORATORY NOTEBOOK	HAWS, L A	01/18/84	1702	
IR72-127	RCB	BURNETT, G H	10/24/72		
IR74-039	FLAVOR DEVELOPMENT	KOUNNAS, C N	04/30/74		
IR74-190	R-SHP 85MM CONTROL MARLBORO CODED D4XR VS. EXPERIMENTAL CIGARETTE WITH SUBSTITUTE HUMECTANT (POLYGLYCOL E-200) IN BRIGHT PRECUT FOR GLYCERINE AND PG CODED D4XS	SPRUILL, J L	07/10/74	PROJECT 2305	
IR74-198	R-FHC-2 CURRENT MARLBORO CODED D4GD VS. EXPERIMENTAL CIGARETTES WITH 100% OF HUMECTANTS IN BRIGHT CASING REPLACED WITH SORBITOL CODED D4GE	SPRUILL, J L	03/27/74	PROJECT 2305	
IR74-199	R-FHC-1 CURRENT MARLBORO CODED D4GB VS. EXPERIMENTAL CIGARETTE WITH 100% OF REGULAR HUMECTANTS IN BRIGHT CASING REPLACED WITH 1-3-BUTANE DIOL CODED D4GC	SPRUILL, J L	03/22/74	PROJECT 2305	
IR75-008	QUANTITATIVE DETERMINATION OF SORBITOL IN CIGARETTE FILLER	KROUSTALIS, C S	01/09/75		
IR75-014	HUMECTANT STUDY - REPLACEMENTS	CRAYTON, F H	12/00/74		
IR75-059	FLAVOR DEVELOPMENT ANNUAL REPORT	KOUNNAS, C N	04/17/75		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
IR75-078	MODIFIED SMOKING MATERIALS	HIND, J D	04/00/75	PROJECT 1503	
IR75-089	1975 MARLBORO WITH CONTROL ES CODED 105 NH VS. 1975 MARLBORO WITH ES WITHOUT PG CODED D5NI	WEST, F R	06/12/75	PROJECT 2305	
IR75-119	MARLBORO 85 D4BEH-2 (CONTROL) VS. MARLBORO 85 WITH SORBITOL D4BEI-2 (EXPERIMENTAL)	HOWES, R A	07/00/75	PROJECT 2305	
IR76-068	FLAVOR DEVELOPMENT	KOUNNAS, C N	04/26/76		
IR76-163	FLAVOR TRANSFER ANNUAL REPORT	IKEDA, R M	08/02/76	PROJECT 2306	
IR77-251	THE DETERMINATION OF SUGARS AND HUMECTANTS IN TOBACCO BY HIGH PRESSURE LIQUID CHROMATOGRAPHY--A PRELIMINARY REPORT	DAVIS, R E ; HANDY, B M	11/21/77	PROJECT ANALYTICAL .	
IR78-011	SMOKER RESPONSE TO TWO BETA CANDIDATES VERSUS MERIT 85	KELLEY, M F	12/28/77		
IR81-033	MENTHOL STUDY - INTERIM REPORT LII	MAXWELL, H M	02/10/81	2305	
IR81-074	RECONSTITUTED TOBACCO DEVELOPMENT ANNUAL REPORT	GELLATLY, G	03/17/81	1307	
IR82-031	MENTHOL SYMPOSIUM 1981	IKEDA, R M	01/25/82		
IR83-068	FLAVOR DEVELOPMENT ANNUAL REPORT	KOUNNAS, C N	04/12/83	2305	
IR84-113	ADDITIVES ON TOBACCO, PART I: EFFECT ON EQUILIBRIUM WATER CONTENT	CRUMP, J C; WALKER, E; WOOD, M J	03/21/84	1708	
IR84-284	ADDITIVES ON TOBACCO, PART II, EFFECT ON CV	HARTUNG, H A; CRUMP, J C; WALKER, E; WOOD, M J	10/12/84	1708	
IR84-314	SORBITOL REPLACEMENT OF TEG IN RL AND RCB	MULHERIN, B K	11/13/84	FLAVOR DEVELOPMEN T	
IR79-0058	RECONSTITUTED SHEET DEVELOPMENT ANNUAL REPORT	GELLATLY, G	03/19/79	1300/1307	
IR79-0260	MOISTURE DETERMINATIONS OF ITALIAN BURLEY	CRUMP, J C	10/22/79	1708	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
	TOBACCO OBTAINED FROM IMPERIAL TOBACCO COMPANY - A COMPARISON OF DIFFERENT TEST METHODS AT DIFFERENT MOISTURE LEVELS				
C58-00069	HUMECTANT STUDIES	SELIGMAN, R B	05/13/58		
C58-00072	HUMECTANTS	SELIGMAN, R B	00/00/58		
C59-00031	DEVELOPMENT OF ADHESIVES, HUMECTANTS, ETC.	HIND, J D	06/05/59		
C59-00032	DEVELOPMENT OF ADHESIVES, HUMECTANTS, ETC.	HIND, J D	04/21/59		
C59-00033	DEVELOPMENT OF ADHESIVES, HUMECTANTS AND OTHER NEW MATERIALS FROM STEMS OR OTHER BY-PRODUCTS	HIND, J D	02/25/59		
C59-00034	DEVELOPMENT OF ADHESIVES, HUMECTANTS AND OTHER NEW MATERIALS FROM STEMS OR OTHER BY-PRODUCTS.	HIND, J D	03/27/59		
C59-00048	ADHESIVES, HUMECTANTS, ETC.	BURNETT, G H	08/26/59		
C59-00053	EXTRACTION OF ADHESIVES, HUMECTANTS, ETC.	BURNETT, G H	07/23/59		
C59-00054	ADHESIVES, HUMECTANTS, ETC.	BURNETT, G H	10/04/59		
C59-00148	CHEMICAL GROUP	MORRIS, R M; WICKHAM, J E	12/15/59		
C60-00036	1,3 BUTYLENE GLYCOL AS A HUMECTANT	MCCULLOUGH, J M	08/31/60		
C60-00111	HUMECTANT STUDIES USING GLYCERINE, PROPYLENE AND BUTYLENE GLYCOL	JOHNSON, V C	08/19/60		
C60-00193	ATBL (ALL TOBACCO BLENDED LEAF)	GEIGER, J W	12/22/60	1400	
C60-00809	HUMECTANT STUDIES	SELIGMAN, R B	12/08/60		
C61-00377	IDENTIFICATION OF L & H HUMECTANTS	BLACKMORE, R H	07/26/61	8204	
C61-00481	LOSS OF HUMECTANTS AND TOBACCO VOLATILES DUE TO OVEN DRYING	JARRELL, J E	09/28/61	8204	
C61-00585	IDENTIFICATION OF L & M HUMECTANTS	BLACKMORE, R H	07/26/61	8101	
C61-00713	USE OF LITHIUM CHLORIDE AS HUMECTANT-PLASTICIZER IN BINDERS	HIND, J D; SELIGMAN, R B	08/28/61		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C62-00168	TEG AS A HUMECTANT FOR PRODUCTION BL	SELIGMAN, R B	07/20/62	1300	
C62-00184	LEVELS OF HUMECTANT AND SORBIC ACID IN FACTORY BL	HIND, J D	09/24/62	1300	
C62-00221	SUMMARY OF THE EFFECTS OF HUMECTANTS ON MOLD GROWTH IN TOBACCO FINED SLURRIES	HIND, J D; VAN NOSTRAN, F E	12/19/62	1300	
C62-00546	HUMECTANT LEVELS IN PHILIP MORRIS BRANDS	SELIGMAN, R B	11/28/62	8205	
C63-00207	VOLATILITY OF TOBACCO HUMECTANTS	WICKHAM, J E	01/16/63	1300	
C64-00664	TOBACCO BY-PRODUCTS; DUST; SCRAP; WINNOWER; SPILLS; HUMECTANT	MICHELS, D G	06/19/64	1401	
C64-00838	HUMECTANTS IN COMMERCIAL CIGARETTES	RESNIK, F E	12/23/64	8205	
C65-00050	FILLER HUMECTANTS IN MENTHOLATED BRANDS	RESNIK, F E	10/15/65		
C65-00718	BY-PRODUCT UTILIZATION	HIND, J D	01/29/65	1502	
C65-00890	HUMECTANTS IN COMMERCIAL CIGARETTES	BADGETT, C E	05/19/65	8204	
C66-00350	HUMECTANTS IN TRUE CIGARETTES	WICKHAM, J E	10/18/66		
C66-00955	FORMULATED SMOKING MATERIALS	HIND, J D	02/18/66	1502	
C66-01001	DESIGNED CIGARETTE FORMULATION	HIND, J D	02/18/66	1502	
C67-01321	B & H 100 VERSUS PALL MALL 100 - HUMECTANTS	SELIGMAN, R B	03/01/67	8205	
C68-00002	HUMECTANT & PLASTICIZER LEVELS IN SOME OF THE DOMESTIC CIGARETTES.	WATSON, D C	12/20/68	1801	
C68-00064	HUMECTANTS IN COMPETITIVE BRANDS	SELIGMAN, R B	05/08/68	1801	
C68-00082	ANALYSIS OF CIGARETTES FOR HUMECTANTS AND PLASTICIZER IN FILLER AND FILTER	WATSON, D C; FOUNTAINE, W B	03/06/68	1801	
C68-00103	FREEZE DRIED TOBACCO	THOMSON, R N	07/03/68	1801	
C68-01551	COMPARATIVE HUMECTANT POWER	SELIGMAN, R B	09/06/68	8204	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C69-02024	GENERAL ANALYTICAL	STAHR, H M	04/02/69		
C70-00070	HUMECTANT, TOTAL REDUCING SUGARS AND TOTAL ALKALOID LOSSES DURING THE TOWER EXPANSION OF MF BRIGHT TOBACCO FILLER	BUTLER, J T	05/29/70	1801	
C70-03140	LITTLE CIGAR - HUMECTANTS	KIRITSIS, G C	04/28/70		
C70-03491	RESULTS OF THE COLLABORATIVE HUMECTANT STUDY	WATSON, D C	07/16/70	6600	
C71-00733	HUMECTANT, TOTAL REDUCING SUGARS AND TOTAL ALKALOID LOSSES DURING THE TOWER EXPANSION OF MF BRIGHT TOBACCO FILLER	BUTLER, J T	05/29/71	1801	
C71-02372	HUMECTANTS IN SMOKE	WICKHAM, J E	01/25/71		
C71-04221	HUMECTANTS	MASON, J Y	05/20/71	8505	
C72-00251	TASK PROPOSAL RELATED TO THE PROBLEM OF USING A STEAMING PROCESS TO INCREASE THE FILLING POWER OF TOBACCO	DEBRAND, S	08/21/72	1801	
C72-01212	DETERMINATION OF HUMECTANTS IN C. I. BRANDS	WATSON, D C	03/06/72		
C72-01348	EVALUATION OF CIGARETTES WITH HUMECTANT/NO-HUMECTANT RCB	KOUNNAS, C N	11/10/72	2305	
C72-01358	EVALUATION OF CIGARETTES CONTAINING RCB WITH NO HUMECTANT	KEEL, D K	10/04/72	2305	
C72-01565	CYLINDER VOLUME, OVEN VOLATILES, AND HUMECTANTS -- DOMESTIC CIGARETTE BRANDS	WICKHAM J E	11/13/72		
C72-01653	DETERMINATION OF HUMECTANTS IN C. I. BRANDS	WATSON, D C	03/06/72		
C72-02159	NEW HUMECTANT TEST	ROWE, N R	12/05/72	1503	
C72-02267	EVALUATION OF CIGARETTES WITH HUMECTANT\NO-HUMECTANT RCB	KOUNNAS, C N	11/10/72		
C72-02268	NO HUMECTANT RCB	ROWE, N R	10/24/72	1300	
C72-02270	EVALUATION OF CIGARETS CONTAINING RCB WITH NO HUMECTANT	KEEL, D K	10/04/72	1300	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C73-01081	HUMECTANTS IN C. I. CIGARETTE BRANDS	WALKER, G B	11/01/73	63	
C73-01124	DETERMINATION OF PURITY OF HUMECTANTS	WATSON, D C	10/17/73	63	
C73-01338	SBS WITH HUMECTANTS (HAND MADE SAMPLES)	KEEL, D K	03/19/73	2305	
C73-01371	HUMECTANT LEVEL OF MARLBORO FILLER WITH RESPECT TO GRINDING AND DRYING THE SAMPLES	WATSON, D C	08/15/73	2305	
C73-01820	M.F. CONTROL CODED X3XA "C" VS. M.F. HUMECTANT STUDY CODED X3XB "E"	SANDERFORD, M	10/22/73	4009	
C73-02765	EFFECTS OF HUMECTANTS AS OBSERVED IN PHILIP MORRIS STUDIES OF MOLD IN TOBACCO MATERIALS	HIND, J D	01/30/73	1503	
C74-00089	MOISTURE/HUMECTANT STUDY	BURNS, K S	07/22/74	1801	
C74-00281	R-FHC-1 CURRENT MARLBORO VS. 100% OF REGULAR HUMECTANTS IN BRIGHT PRECUT FLAVOR SYSTEM TO BE REPLACED WITH 1-3-BUTANE DIOL	SPRUILL, J L	01/10/74		
C74-00282	R-FHC-2 CURRENT MARLBORO VS. 100% OF REGULAR HUMECTANTS IN BRIGHT PRECUT AND AC FLAVOR SYSTEM TO BE REPLACED Y SORBITOL	SPRUILL, J L	01/10/74		
C74-00288	R-FHC-2 CURRENT MARLBORO CODED D4GD VS. EXPERIMENTAL CIGARETTES WITH 100% OF HUMECTANTS IN BRIGHT CASING REPLACED WITH SORBITOL CODED D4GE	SPRUILL, J L	03/27/74	2305	
C74-00289	R-FHC-1 CURRENT MARLBORO CODED D4GB VS. EXPERIMENTAL CIGARETTE WITH 100% OF REGULAR HUMECTANTS IN BRIGHT CASING REPLACED WITH 1-3-BUTANE DIOL CODED D4GC	SPRUILL, J L	03/22/74	2305	
C74-00292	R-SHP CURRENT MARLBORO VS. SUBSTITUTE HUMECTANT (POLYGLYCOL E-200) IN BRIGHT PRECUT FOR GLYCERINE AND PG	SPRUILL, J L	04/23/74	2305	
C74-00300	R-SHP 85 MM CONTROL MARLBORO CODED D4XR VS. EXPERIMENTAL CIGARETTE WITH SUBSTITUTE HUMECTANT (POLYGLYCOL E-200) IN BRIGHT PRECUT FOR GLYCERINE AND PG CODED D4XS	SPRUILL, J L	07/10/74	2305	
C74-00886	MOISTURE AND TOBACCO, A BIBLIOGRAPHY MEHTODS	MICHAELS, C J	07/11/74		

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
	OF DETERMINATION, SORPTION, HUMECTANT RELATIONSHIPS				
C74-00895	A WATER AND HUMECTANT STUDY CONDUCTED ON CASED AND CASED MARLBORO FILLER AS ANALYZED BY GAS CHROMATOGRAPHY AND OVEN VOLATILES	RANDOLPH, H R	11/18/74		
C74-01185	HUMECTANT LEVELS IN BURLEY TOBACCO--CODES L2MZ NA NB	WALKER, G	01/09/74		
C74-01462	SUBJECTIVE SCREENING OF SUBSTITUTE HUMECTANTS IN THE BL COMPONENT OF THE MARLBORO BLEND	CRAYTON, F H	08/09/74	2305	
C74-01471	HUMECTANT - IS	DAYLOR, F L	02/11/74	2305	
C74-01476	HUMECTANTS	DAYLOR, F L	01/24/74	2305	
C74-01493	R-SHP 85MM CONTROL MARLBORO CODED D4XR VS. EXPERIMENTAL CIGARETTE WITH SUBSTITUTE HUMECTANT (POLYGLYCOL E-200) IN BRIGHT PRECUT FOR GLYCERINE AND PG CODED D4XS	DUGGINS, J L	07/10/74	2305	
C74-01496	CHEMICAL AND SUBJECTIVE SCREENING OF EMERY 915 H.G. GLYCERINE (EMERY INDUSTRIES - CANADA) AS POSSIBLE SUBSTITUTE FOR CONVENTIONAL HUMECTANTS	CRAYTON, F H	06/28/74	2305	
C74-01528	R-SHP CURRENT MARLBORO VS. SUBSTITUTE HUMECTANTS	DUGGINS, J L	04/23/74		
C74-01540	R-FHC-2 CURRENT MARLBORO CODED D4GD VS. EXPERIMENTAL CIGARETTES WITH 100% OF HUMECTANTS IN BRIGHT CASING REPLACED WITH SORBITOL CODED D4GE	DUGGINS, J L	03/27/74		
C74-01689	HUMECTANT IN RCB REPLACEMENT	BURNETT, G H	07/16/74	8205	
C74-01691	HUMECTANT IN RCB REPLACEMENT STUDY	BURNETT, G H	07/16/74	8205	
C74-01850	HUMECTANTS IN DOMESTIC CIGARETTES	WICKHAM, J E	10/16/74		
C74-02083	USE OF HUMECTANTS IN TOBACCO PROCESSING	DEBARDELEBEN, M Z	11/22/74	TIF	
C74-02373	TOBACCO HUMECTANTS	DEBARDELEBEN, M Z	11/18/74	TIF	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
C74-03595	HUMECTANT FROM MEXICO	CLARKE, A B	02/12/74	8505	
C74-03613	HUMECTANTS FROM FRANCE	CLARKE, A B	02/12/74	8505	
C75-00175	HUMECTANT AND PLASTICIZER LEVELS OF COMMERCIAL CIGARETTES	WATSON, D C	10/16/75		
C75-00409	EFFECT OF HUMECTANTS ON MOLD INHIBITION	BURNS, K S	08/26/75	1503	
C75-01138	RCB HUMECTANT TRIAL	BURNS, K S	04/09/75	1300	
C75-01139	RCB HUMECTANT REPLACEMENT STUDY	BURNETT, G H	03/21/75		
C75-01144	RCB HUMECTANT SUBSTITUTION	BURNETT, G H	05/19/75	1300	
C75-01429	HUMECTANT CONTENT OF COMPETITIVE BRANDS	WATSON, D C	11/07/75	163	
C75-01437	HUMECTANTS IN C. I. CIGARETTE BRANDS, I4J	WALKER, G; KROUSTALIS, C	05/16/75	163	
C75-02229	EFFECT OF HUMECTANTS AND PLASTICIZERS ON CELLULOSE	DEBARDELEBEN, M Z	02/20/75	TIF	
C75-02230	EFFECT OF HUMECTANTS AND PLASTICIZERS ON THE MECHANICAL PROPERTIES OF TOBACCO	DEBARDELEBEN, M Z	02/25/75	TIF	
C75-03352	HUMECTANT ANALYSES - CANADA	WICKHAM, J E	02/03/75	8205	
C76-02516	CURRENT COST OF HUMECTANTS FOR RCB	BURNETT, G H	01/16/76	1300	
C76-04296	MODIFIED SMOKING MATERIALS - HUMECTANTS & HYGROSCOPICITY		06/25/76		
C78-00052	CHEMICAL AND SMOKE ANALYSES OF L&M SHEET VS RL SHEET	JENKINS, G M	09/21/78	1300	
C78-00112	FILLING POWER OF REDUCED ADDITIVE LEVEL RL	GELLATLY, G	10/02/78	1307	
C78-00158	SHEET CASTING APPARATUS	KERITSIS, G D	11/29/78	1503	
C78-00704	HUMECTANTS WINTER VS SUMMER FORMULA	WICKHAM, J E	06/07/78	2305	
C78-01281	HUMECTANT AND PLASTICER CONTENT OF ARCTIC	WATTS, E L	11/10/78	8101	

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DOC.NUMBER	REPORT TITLE	AUTHOR	DATE	PROJECT	STATUS
	LIGHTS 85 AND 100				
C78-03889	ACTIVITIES DURING APRIL - JUNE, 1978	MERRITT, H B	06/26/78		
C78-06173	RECONSTITUTED TOBACCO DEVELOPMENT		06/26/78		
C79-00044	HUMECTANT STUDY REPLACEMENTS	DAYLOR, F L	01/04/79	2305	
C79-01105	HUMECTANT AND PLASTICIZER LEVELS OF COMMERCIAL CIGARETTES - 1978	NEPOMUCENO, J G	02/23/79	8101	
C79-02791	HUMECTANT LOSS DURING OV DETERMINATIONS - K9RX AND K9RQ	WATSON, D C	05/30/79	163	
C79-08216	CHANGES IN RECONSTITUTED SHEET HUMECTANTS	SELIGMAN, R B	10/29/79		
C79-08659	T-403, HUMECTANTS	KACZMAREK, P	02/26/79		
C80-03763	OPTIMUM LEVEL OF HUMECTANTS FOR THE EXPANSION PROCESS	ROWE, C H	07/16/80		
C80-09054	RL HUMECTANTS	CANNON, M F	01/21/80		
C81-00188	HUMECTANT AND PLASTICIZER LEVELS OF COMMERCIAL CIGARETTES--1980	CHAMBERS, E C	01/15/81		
C81-00664	FLAVOR SYSTEM ANALYSES - PROGRESS REPORT NO. 2	KROUSTALIS, C S	01/27/81	1756	
C81-05075	USE OF A HUMECTANT IN THE REORDERING WATER	WICKS, C M	07/27/81	1801	
C81-05668	ESTABLISHMENT OF A FILLING POWER-CYLINDER VOLUME SPECIFICATION FOR THE VENEZUELAN RECONSTITUTED SHEET PRODUCT	MERRITT, H B	09/22/81		
C82-00152	HUMECTANT AND PLASTICIZER LEVELS OF COMMERCIAL CIGARETTES 1981	CHAMBERS, E C	01/08/82	8101	
C82-00597	RL-EQUILIBRIUM MOISTURE AND HUMECTANTS	HANDY, B M	02/03/82	166	
C82-05159	SORBITOL VS. TEG, RL HUMECTANT COMPARISON	BAGGETT, J D	08/03/82	1307	
C83-00440	SORBITOL VS TEG - RL HUMECTANT COMPARISON	BAGGETT, J D	01/06/83	1307	
C83-01295	SAMPLES FOR HUMECTANTS AND PLASTICIZERS	WILKINSON, B	03/16/83	8101	

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